

27. (NEW) The method of processing an RF signal comprising the steps of:
inputting said RF signal to a mixer;
mixing said RF signal to create an intermediate frequency (IF) signal;
filtering said IF signal to remove high frequency signals, thereby creating a first
5 filtered IF signal;
amplifying said first filtered IF signal to a selected signal level, thereby generating an
amplified, first filtered IF signal, said selected signal level corresponding to the maximum
level acceptable as an input to a band-pass filter to avoid distortion of said signal;
filtering said amplified, first filtered IF signal in said band-pass filter, wherein said
10 band-pass filter attenuates signals having frequencies above and below an IF frequency band,
thereby generating a second filtered IF signal; and
amplifying said second filtered IF signal;
wherein said mixing step, said filtering steps, and said amplifying steps are conducted
in circuits that are physically located on a single integrated circuit substrate.

REMARKS

Applicant submits that the claims as amended above are allowable over the prior art.
Applicant respectfully requests that the Examiner call the below listed attorney if the
Examiner believes that a discussion would be helpful in resolving any remaining issues.

Respectfully submitted,


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